

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S41	1	("6173002").URPN.	USPAT	OR	OFF	2005/07/25 14:29
S42	13	("3575119" "4181504" "4760585" "4995324" "5090340" "5259863" "5493580" "5566625" "5666891" "5748666" "5798497" "5811752" "6061383").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/07/25 14:38
S49	31	("20040159366" "3779182" "3841239" "4181504" "4326842" "4361441" "4438706" "4479443" "4508040" "4615285" "4635573" "4644877" "4770109" "4831944" "4896614" "4980092" "4989522" "4998486" "5010829" "5065680" "5090340" "5095828" "5108708" "5127347" "5134946" "5143000" "5280757" "5319176" "5534659" "5809911" "6155182").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/22 17:32
S50	4	("20030167983" "5798497" "5206879" "6173002").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/22 17:32
S51	1	"6182585".PN.	US-PGPUB; USPAT	OR	OFF	2005/09/22 17:32
S52	36	S49 S50 S51	US-PGPUB; USPAT	OR	OFF	2005/09/23 13:12
S54	0	("2005/0070751").URPN.	USPAT	OR	OFF	2005/09/22 18:05
S58	0	("2005/0204969").URPN.	USPAT	OR	OFF	2005/09/22 18:12
S59	849	"AC plasma"	US-PGPUB; USPAT	OR	OFF	2005/09/22 18:31
S60	1	S52 and S59	US-PGPUB; USPAT	OR	OFF	2005/09/22 18:28
S61	3655	AC with plasma\$	US-PGPUB; USPAT	OR	OFF	2005/09/22 18:31
S62	4	S52 and S61	US-PGPUB; USPAT	OR	OFF	2005/09/22 18:31
S63	849	"AC plasma\$"	US-PGPUB; USPAT	OR	OFF	2005/09/22 18:31
S64	3	S62 not S60	US-PGPUB; USPAT	OR	OFF	2005/09/22 18:31
S65	91036	AC	DERWENT	OR	OFF	2005/09/22 19:00
S66	118458	plasma\$	DERWENT	OR	OFF	2005/09/22 19:00
S67	365995	waste\$ toxic\$ hazard\$	DERWENT	OR	OFF	2005/09/22 19:00
S68	1839	S65 with S66	DERWENT	OR	OFF	2005/09/22 19:04
S69	26	S68 and S67	DERWENT	OR	OFF	2005/09/22 18:51
S70	1992	S65 same S66	DERWENT	OR	OFF	2005/09/22 18:58
S71	36	S70 and S67	DERWENT	OR	OFF	2005/09/22 18:58
S72	10	S71 not S69	DERWENT	OR	OFF	2005/09/22 18:58
S73	71391	AC	EPO; JPO; IBM_TDB	OR	OFF	2005/09/22 19:07

S74	77619	plasma\$	EPO; JPO; IBM_TDB	OR	OFF	2005/09/22 19:00
S75	151737	waste\$ toxic\$ hazard\$	EPO; JPO; IBM_TDB	OR	OFF	2005/09/22 19:00
S76	1002	S73 with S74	EPO; JPO; IBM_TDB	OR	OFF	2005/09/22 19:01
S77	9	S76 and S75	EPO; JPO; IBM_TDB	OR	OFF	2005/09/22 19:00
S78	1277	S73 same S74	EPO; JPO; IBM_TDB	OR	OFF	2005/09/22 19:01
S79	15	S78 and S75	EPO; JPO; IBM_TDB	OR	OFF	2005/09/22 19:01
S80	6	S79 not S77	EPO; JPO; IBM_TDB	OR	OFF	2005/09/22 19:01
S81	14556	pyroly\$	DERWENT	OR	OFF	2005/09/22 19:05
S82	1	S68 and S81	DERWENT	OR	OFF	2005/09/22 19:05
S83	1	S70 and S81	DERWENT	OR	OFF	2005/09/22 19:05
S84	5566	pyroly\$	EPO; JPO; IBM_TDB	OR	OFF	2005/09/22 19:05
S85	1	S76 and S84	EPO; JPO; IBM_TDB	OR	OFF	2005/09/22 19:06
S86	2	S78 and S84	EPO; JPO; IBM_TDB	OR	OFF	2005/09/22 19:06
S87	1	S86 not S85	EPO; JPO; IBM_TDB	OR	OFF	2005/09/22 19:06
S88	5071	"588"/\$.ccls.	EPO; JPO; IBM_TDB	OR	OFF	2005/09/22 19:19
S89	98	S88 and S74	EPO; JPO; IBM_TDB	OR	OFF	2005/09/22 19:08
S90	2	S89 and S73	EPO; JPO; IBM_TDB	OR	OFF	2005/09/22 19:07
S91	3	S89 and S84	EPO; JPO; IBM_TDB	OR	OFF	2005/09/22 19:09
S92	93	S89 not (S90 S91)	EPO; JPO; IBM_TDB	OR	OFF	2005/09/22 19:19
S93	18	S92 and liquid\$	EPO; JPO; IBM_TDB	OR	OFF	2005/09/22 19:13
S95	75	S92 not S93	EPO; JPO; IBM_TDB	OR	OFF	2005/09/22 19:19
S96	1	S95 and solvent\$	EPO; JPO; IBM_TDB	OR	OFF	2005/09/22 19:19
S97	3246	"588"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2005/09/22 19:19
S98	225815	AC	US-PGPUB; USPAT	OR	OFF	2005/09/22 19:19
S99	274145	plasma\$	US-PGPUB; USPAT	OR	OFF	2005/09/22 19:19

S10 0	3655	S98 with S99	US-PGPUB; USPAT	OR	OFF	2005/09/22 19:25
S10 1	22	S97 and S100	US-PGPUB; USPAT	OR	OFF	2005/09/22 19:20
S10 3	8	("4105437" "4504308" "5281790" "5541386" "5766303" "5923698" "5943970" "6114648").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/22 19:22
S10 4	2	("6380507").URPN.	USPAT	OR	OFF	2005/09/22 19:22
S10 5	5380	S98 same S99	US-PGPUB; USPAT	OR	OFF	2005/09/22 19:25
S10 6	27	S97 and S105	US-PGPUB; USPAT	OR	OFF	2005/09/22 19:25
S10 7	5	S106 not S101	US-PGPUB; USPAT	OR	OFF	2005/09/22 19:25
S10 8	1	"20030167983"	DERWENT	OR	OFF	2005/09/23 13:08
S10 9	1	"6763772".pn.	USPAT	OR	OFF	2005/09/23 17:58
S11 0	11	("4194454" "4886001" "4989522" "5143000" "5363781" "5478440" "5637127" "5809911" "5886316" "6202577" "6250236").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/23 13:12
S11 1	0	("6763772").URPN.	USPAT	OR	OFF	2005/09/23 13:10
S11 2	225815	ac	US-PGPUB; USPAT	OR	OFF	2005/09/23 13:12
S11 3	1	S110 and S112	US-PGPUB; USPAT	OR	OFF	2005/09/23 13:12
S11 4	31	("20040159366" "3779182" "3841239" "4181504" "4326842" "4361441" "4438706" "4479443" "4508040" "4615285" "4635573" "4644877" "4770109" "4831944" "4896614" "4980092" "4989522" "4998486" "5010829" "5065680" "5090340" "5095828" "5108708" "5127347" "5134946" "5143000" "5280757" "5319176" "5534659" "5809911" "6155182").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/23 13:12
S11 5	4	("20030167983" "5798497" "5206879" "6173002").PN.	US-PGPUB; USPAT	OR	OFF	2005/09/23 13:12
S11 6	1	"6182585".PN.	US-PGPUB; USPAT	OR	OFF	2005/09/23 13:12
S11 7	36	S114 S115 S116	US-PGPUB; USPAT	OR	OFF	2005/09/23 13:12
S11 8	8	S110 not S117	US-PGPUB; USPAT	OR	OFF	2005/09/23 13:13
S11 9	6	S118 and plasma\$	US-PGPUB; USPAT	OR	OFF	2005/09/23 13:13
S12 0	2	S118 not S119	US-PGPUB; USPAT	OR	OFF	2005/09/23 13:13

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	7	("5143000" "4980092" "4831944" "4644877" "4181504" "3841239" "3779182").pn.	US-PGPUB; USPAT	OR	OFF	2005/09/30 12:00
S2	449655	ac alternating\$	US-PGPUB; USPAT	OR	OFF	2005/09/23 19:24
S3	0	S1 and S2	US-PGPUB; USPAT	OR	OFF	2005/09/23 19:23
S4	449655	ac alternating\$	US-PGPUB; USPAT	OR	OFF	2005/09/23 19:29
S5	274145	plasma\$	US-PGPUB; USPAT	OR	OFF	2005/09/23 19:29
S6	641654	waste\$ hazard\$ toxic\$	US-PGPUB; USPAT	OR	OFF	2005/09/30 12:04
S7	5504	S4 with S5	US-PGPUB; USPAT	OR	OFF	2005/09/23 19:24
S8	52	S7 same S6	US-PGPUB; USPAT	OR	OFF	2005/09/23 19:29
S9	19	S8 and pyroly\$	US-PGPUB; USPAT	OR	OFF	2005/09/23 19:29
S10	196077	plasma\$	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/23 19:29
S11	244882	ac alternating\$	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/23 19:29
S12	517732	waste\$ hazard\$ toxic\$	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/23 19:30
S13	5312	S10 and S11	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/23 19:30
S14	109	S13 and S12	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/23 19:30
S15	1	S14 and pyroly\$	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/23 19:30
S16	108	S14 not S15	EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/09/23 19:30
S17	4	("20050122050" "6781087" "5464513" "5801489").pn.	US-PGPUB; USPAT	OR	OFF	2005/09/30 12:04
S18	643094	waste\$ hazard\$ toxic\$	US-PGPUB; USPAT	OR	OFF	2005/09/30 12:04
S19	4	S17 and S18	US-PGPUB; USPAT	OR	OFF	2005/09/30 12:04

Plasma Physics and Controlled Fusion

[Journals Home](#) | [Journals List](#) | [EJs Extra](#) | [This Journal](#) | [Search](#) | [Authors](#) | [Referees](#) | [Librarians](#) | [User Options](#) | [Help](#)
[Athens login](#)

 IOP login: Password: Go
[Create account](#) | [Alerts](#) | [Contact us](#)

CrossRef Search

10/673,078

9.30.05

You can now search IOP's Electronic Journals, along with those of other publishers, using [CrossRef Search](#).

[Search](#)

[Content finder](#)

[Search history](#)

[custserv@iop.org](#)

[CrossRef search](#)



Search IOP Electronic Journals

Limit to results of previous search: (Ph G Rutberg) <in> (author) <and>(<not>(("0963-6625","0954-0083") <in> issn)) ([Help](#))

Either: Search article headers and abstracts:

<input type="text"/>	in <input type="text"/> Abstract/Title Help
AND <input type="button" value="▼"/>	<input type="text"/> in <input type="text"/> Author Help
AND <input type="button" value="▼"/>	<input type="text"/> in <input type="text"/> Affiliation Help

Or: Search full text of articles:

[Run search](#)

[Run search and cluster results](#)

[What is a cluster?](#)

Select year range:

Search all years [Help](#)

Search from Jan 2003 to: Dec 2005

Select a journal, subject category or EJs Collection:

Search all journals [Help](#)

Search specific journal(s)

[To select more than one journal, hold down the Control key (PC) or Option key (MAC)]

Journal of Physics A: Mathematical and General

Journal of Physics B: Atomic, Molecular and Optical Physics

[includes Journal of Physics B: Atomic and Molecular Physics]

Journal of Physics: Condensed Matter

[includes Journal of Physics C: Solid State Physics]

[includes Journal of Physics F: Metal Physics]

Journal of Physics D: Applied Physics

[includes British Journal of Applied Physics]

Journal of Physics G: Nuclear and Particle Physics

[includes Journal of Physics G: Nuclear Physics]

Search journals in a subject category

Plasma Physics

Search EJs Collections

IOP Physics Reviews [Help](#)

Display options:

Cluster these results by subject

10 results Summary format Sorted by: Date Natural [Help](#)

[Run search](#)

[Reset](#)

/▼ Clustering by
▼ Vivisimo

Powered by

1/8

Plasma Physics and Controlled Fusion

[Athens login](#)IOP login: Password: [Go](#)[Create account](#) | [Alerts](#) | [Contact us](#)

[Journals Home](#) | [Journals List](#) | [EJs Extra](#) | [This Journal](#) | [Search](#) | [Authors](#) | [Referees](#) |
[Librarians](#) | [User Options](#) | [Help](#) |

[◀ Previous](#) | [Next ▶](#) | [Export/e-mail results](#) | [Search history](#) | [Modify search](#) | [New search](#) | [Save search](#)

Search results

Display options

Powered by

10 results Summary format Sorted by: Date Natural [Help](#)
[Redisplay search results](#)

Search results

Subject: Plasma Physics **Search type:** Headers and abstract **Search terms:** ac plasma,
 waste **Date range:** All

Your search has found 2 matching articles. Displaying articles 1 to 2:

As fewer than 25 results were found, the clustering option is not available. [Help](#)

Multiphase stationary plasma generators working on oxidizing media
Ph G Rutberg, A A Safronov, S D Popov, A V Surov and Gh V Nakonechny
Plasma Phys. Control. Fusion 47 No 10 (October 2005) 1681-1696
[Abstract](#) | [References](#) Full text: [Acrobat PDF](#) (1.27 MB)

Plasma production by multi-phase AC glow discharge at the frequency of a commercial electric power system
K Matsumoto
Plasma Sources Sci. Technol. 5 No 2 (May 1996) 245-253
[Abstract](#) | [References](#) Full text: [Acrobat PDF](#) (856 KB) | [PostScript](#) (1.01 MB)

[Search history](#) | [Modify search](#) | [New search](#) | [Save search](#)

[Export/E-mail search result](#) [Help](#)

- 1 This page Which records do you want to export/e-mail? (use the checkboxes next to each record to select them)
 - 2 HTML In which file format do you wish the records to be exported/e-mailed?
 - 3 Summary (title/author) How much detail for each record do you wish to export/e-mail?
 - 4 E-mail E-mail address(es): To where do you want to export/e-mail your chosen records?
- [Export Results](#)

[Search history](#) [Help](#)

This session [Search terms](#)

2/8

References

Below is the reference list for this article:

Multiphase stationary plasma generators working on oxidizing media

Ph G Rutberg, A A Safronov, S D Popov, A V Surov and Gh V Nakonechny 2005 *Plasma Phys. Control. Fusion* **47** 1681-1696

HyperCite® linking technology enables you to link to abstracts, preprints or full text of referenced articles. Links to full text articles from IOP and other publishers are displayed in bold type (access is subject to subscription status). [More information](#) on reference links is available.

- [1] Vursel Ph B and Polak L S 1965 Kinetics and thermodynamics of chemical reactions in low temperature plasma *Chemical Processes in Plasma and Plasma Jet* (*Nauka, Moscow*) pp 238-51 (in Russian)
- [2] Choi Kyung-Soo and Park Dong-Wha 1997 Pyrolysis of waste tires by thermal plasma ISPC 13 *13th Int. Symp. on Plasma Chemistry* vol 4 (Beijing, China: Peking University Press) pp 2447-51
- [3] Rutberg Ph G 2003 Plasma pyrolysis of toxic waste *Plasma Phys. Control. Fusion* **45** 957-69
[IOP Article](#)
- [4] *Proc. International Symp. Environmental Technologies: Plasma Systems and Applications* (Atlanta, Georgia, USA, 8-11 October 1995) vol 1 and 2
- [5] 2002 Plasma energy pyrolysis system REPS superior alternative to waste incineration Vanguard research, Inc, www.vriffx.com/peps
- [6] Rutberg Ph G, Bratsev A N and Ufimtsev A A 2004 Plasmochemical technologies for processing of hydrocarbonic raw material with syngas production *An International Quarterly of High Technology Plasma Processes* (Strasbourg, France) *J. High Temp. Mater. Process.* **8** 433-45
[CrossRef Link](#) | [Order from Infotrieve](#)
- [7] Rutberg Ph G *et al* 1978 Investigation of basic physical processes in power electric arc of ac generators *High Temp.* **16** 1285-96 (in Russian)
[Inspec Abstract](#) | [Order from Infotrieve](#)
- [8] Glebov I A and Rutberg Ph G 1985 *Powerful Plasma Generators* (Moscow: Energoatomizdat) p 152 (in Russian)

- [9] Rutberg Ph G, Safronov A A and Goryachev V L 1998 Strong-current arc discharge of alternating current *IEEE Trans. Plasma Sci.* **26** 1297-306 ITPSBD
[CrossRef Link](#) | [Inspec Abstract](#) | [ChemPort Abstract](#) | [Link to SwetsWise](#) | [Order from Infotrieve](#)
- [10] Zhukov M F et al 1999 *Electric Arc Plasma Generators of Thermal Plasma (Low temperature plasma* vol 17) (Novosibirsk: Nauka) p 712 (in Russian)
- [11] Tendler M, Rutberg Ph G and Van Oost G 2005 Plasma based waste treatment and energy production *Plasma Phys. Control. Fusion* **47** A219-30
[IOP Article](#)
- [12] Roots W K and Kadhim M A 1969 Measuring the electrothermal efficiency of a 50-Hz plasma torch *IEEE Trans. Instrum. Meas.* **18** 150-6
[Inspec Abstract](#) | [Order from Infotrieve](#)
- [13] Charron F and Honloser Ch 1961 Generateurs de plasma de L'ONERA *La Rechn.aeronaut.* **83** 9-16
[Order from Infotrieve](#)
- [14] Rutberg Ph G, Bratsev A N, Safronov A A, Surov A V and Shegolev V V 2002 The technology and execution of plasmachemical disinfection of hazardous medical waste *IEEE Trans. Plasma Sci.* **4** 1445-48
[CrossRef Link](#) | [Inspec Abstract](#) | [ChemPort Abstract](#) | [Order from Infotrieve](#)
- [15] Babichev A P et al 1991 *Physical Magnitudes: Reference Book* ed I S Grigor'ev and E Z Meilikov (Moscow: Energoatomizdat) p 1232 (in Russian)
- [16] Kasabov G A 1967 *PhD Thesis* Moscow (in Russian)
- [17] Kolesnikov V N 1964 Arc discharge *Proc. FIAN (Moscow)* vol XXX ed P N Lebedev (in Russian)
- [18] Raizer Yu P 1992 *Physics of Gas Discharge: Textbook for Universities* 2nd edn (Moscow: Nauka) p 536 (in Russian)
- [19] Finkelnburg W and Maecker H 1956 *Elektrische Boegen und Thermisches Plasma, Handbuch der Physik* Bd. XXII (Berlin: Springer) pp 254-444

[This volume](#) ▲ | [This issue](#) ▲ | [Abstract](#) ▲

CONTENT FINDER

Full Search	Plasma Physics and Controlled Fusion	<input type="button" value="▼"/>			
Help	Author: <input type="text"/>	Vol/Year: <input type="text"/>	Issue/Month: <input type="text"/>	Page/Article No: <input type="text"/>	<input type="button" value="Find"/>

[Journals Home](#) | [Journals List](#) | [EJs Extra](#) | [This Journal](#) | [Search](#) | [Authors](#) | [Referees](#) | [Librarians](#) | [User Options](#) | [Help](#) | [Recommend this journal](#)



Institute of Physics Publishing is a member of Publishers International Linking Association (PILA)

Copyright © Institute of Physics and IOP Publishing Limited 2005.

Use of this service is subject to compliance with the terms and conditions of use. In particular, reselling and systematic downloading of files is prohibited.

Help: [Cookies](#) | [Data Protection](#).

[Athens login](#)IOP login: Password: [Create account](#) | [Alerts](#) | [Contact us](#)

[Journals Home](#) | [Journals List](#) | [EJs Extra](#) | [Search](#) | [Authors](#) | [Referees](#) | [Librarians](#) | [User Options](#) |

[Help](#) |

[◀ Previous](#) | [Next ▶](#) | [Export/e-mail results](#) | [Search history](#) | [Modify search](#) | [New search](#) | [Save search](#)

Search results

Display options

10 results Summary format Sorted by: Date Natural [Help](#)

[Redisplay search results](#)

Search results

Journals: All Search type: Headers and abstract Search terms: Ph G Rutberg Date range: All

Your search has found 3 matching articles. Displaying articles 1 to 3:

As fewer than 25 results were found, the clustering option is not available. [Help](#)

- | | |
|--------------------------|--|
| <input type="checkbox"/> | Multiphase stationary plasma generators working on oxidizing media
<i>Ph G Rutberg, A A Safronov, S D Popov, A V Surov and Gh V Nakonechny</i>
<i>Plasma Phys. Control. Fusion</i> 47 No 10 (October 2005) 1681-1696
Abstract References Full text: Acrobat PDF (1.27 MB) |
| <input type="checkbox"/> | Plasma pyrolysis of toxic waste
<i>Ph G Rutberg</i>
<i>Plasma Phys. Control. Fusion</i> 45 No 6 (June 2003) 957-969
Abstract References Citing articles Full text: Acrobat PDF (602 KB) |
| <input type="checkbox"/> | Some plasma environmental technologies developed in Russia
<i>Ph G Rutberg</i>
<i>Plasma Sources Sci. Technol.</i> 11 No 3A (August 2002) A159-A165
Abstract References Citing articles Full text: Acrobat PDF (270 KB) PostScript (308 KB) |

[Search history](#) | [Modify search](#) | [New search](#) | [Save search](#)

[Export/E-mail search result](#)[Help](#)

- This page Which records do you want to export/e-mail? (use the checkboxes next to each record to select them)
- HTML In which file format do you wish the records to be exported/e-mailed?
- Summary (title/author) How much detail for each record do you wish to export/e-mail?
- E-mail E-mail address(es): To where do you want to export/e-mail your chosen records?

[Export Results](#)

References

Below is the reference list for this article:

Some plasma environmental technologies developed in Russia

Ph G Rutberg 2002 *Plasma Sources Sci. Technol.* 11 A159-A165

HyperCite® linking technology enables you to link to abstracts, preprints or full text of referenced articles. Links to full text articles from IOP and other publishers are displayed in bold type (access is subject to subscription status). [More information](#) on reference links is available.

- [1] Kyung-Soo Choi and Dong-Wha Park 1997 Pyrolysis of waste tires by thermal plasma *13th International Symp. on Plasma Chemistry (ISPC, 13, 1997)* vol 4 (Pekin University Press) pp 2447-51
- [2] 2002 Plasma energy pyrolysis system REPS superior alternative to waste incineration *Vanguard Research* www.vriffx.com/peps
- [3] Abou-Ghazala A, Katsuki S and Schoenbach K H 2001 *Bacterial Decontamination of Water by Means of Pulse Corona Discharge Symp. Record Abstracts (USA, 2-23 May 2001)* pp 75-6
- [4] Aly R E, Joshi R P, Stark R H and Schoenbach K H 2001 *Repair Time of Bacteria After Pulsed Electric Field Application Symp. Record Abstracts (USA, 2-23 May 2001)* pp 79-80
- [5] Beebe S J, Stephen Buescher E, Stark R H and Schoenbach K H 2001 *Nanosecond Pulsed Electric Field (ns PEF) Application Effectes on Human Cells: Intracellular Membrane Disruption and Apoptosis Induction Symp. Record Abstracts (USA, 2-23 May 2001)* p 251
- [6] Shindo H, Inaba T and Iwao T 2001 *The Temperature and Radiant Power Emitted from DC Horizontal Short Free Arc Discharge Between Tungsten Electrodes Near 50 A Application Symp. Record Abstracts (USA, 2-23 May 2001)* p 304
- [7] Jozef Plateauzaal Ghent University 2002 Colloquium concerning, plasma based total treatment of waste and renewable energy sources (PGV--Plasma gasification and vitrification) Summary Thursday 21 March 2002
- [8] Glebov I A and Rutberg Ph G 1985 Powerful plasma generators, M.: *Energoatomizdat*
- [9] Rutberg Ph G, Safronov A A and Goryachev V L 1998 Strong-current arc discharge of

- [10] Nedospasov A V and Hait V D 1991 Physics of processes in low temperature plasma devices, M.: *Energoatomizdat* P 224
- [11] Korsukov V E, Patrievsky P V, Rutberg Ph G and Tutina N M 1986 About operation of power electric arc gas generators *JTF* **56** 1724-9
[Order from Infotrieve](#)
- [12] Mesyats G A 1998 *Explosive Electron Emission* (Ekaterinburg: URO Press) p 248
- [13] *Plasma Systems and Applications: Proc. International Symp. on Environmental Technologies (Atlanta, Georgia, October 8-11 1995)* vol **1, 2**
- [14] Rutberg Ph G, Safronov A A, Bratsev A N, Popov V E, Popov S D, Surov A V, Stchegolev V V and Caplan M 2000 *Plasma Furnace for Treatment of Solid Toxic Waste Sixth European Conf. on Thermal Plasma Processes (Strasbourg, France, 30 May-3 June 2000)*
- [15] Rutberg Ph G, Safronov A A, Bratsev A N, Popov V E, Popov S D and Surov A V 2001 *Plasma Technologies of Solid and Liquid Toxic Waste Disinfection 01CH37255: IEEE Conf. Record- Abstracts PPPS-2001. Pulsed Power Plasma Science (Las Vegas, Nevada, 17-22 June 2001)* P2H37, p 324
- [16] Goryachev V L, Rutberg Ph G and Fedyukovich V N 1996 About some properties of pulse-periodical discharge in water with energy in the pulse of ~1 J used for its purification *TVT* **34**
- [17] Goryachev V L, Rutberg Ph G and Ufimtsev A A 1998 About photolitic properties of pulse discharge in water *Lett. JTP* **24** 91-5
[Order from Infotrieve](#)
- [18] Spinks J and Vuds R 1967 Introduction to radiation chemistry, M.: *Atomizdat*

[This volume](#) ▲ | [This issue](#) ▲ | [Abstract](#) ▲

CONTENT FINDER

[Full Search](#) | [Help](#)

Plasma Sources Science and Technology
Author: Vol/Year: Issue/Month: Page/Article No: Find

[Journals Home](#) | [Journals List](#) | [EJs Extra](#) | [This Journal](#) | [Search](#) | [Authors](#) | [Referees](#) | [Librarians](#) | [User Options](#) | [Help](#) | [Recommend this journal](#)



Institute of Physics Publishing is a member of Publishers International Linking Association (PILA)
Copyright © Institute of Physics and IOP Publishing Limited 2005.
Use of this service is subject to compliance with the terms and conditions of use. In particular, reselling and systematic downloading of files is prohibited.
Help: [Cookies](#) | [Data Protection](#).

Plasma Physics and Controlled Fusion

[Athens login](#)IOP login: Password: [Create account](#) | [Alerts](#) | [Contact us](#)

[Journals Home](#) | [Journals List](#) | [EJs Extra](#) | [This Journal](#) | [Search](#) | [Authors](#) | [Referees](#) |
[Librarians](#) | [User Options](#) | [Help](#) |

[◀ Previous](#) | [Next ▶](#) | [Export/e-mail results](#) | [Search history](#) | [Modify search](#) | [New search](#) | [Save search](#)

Search results

Display options

Powered by

10 results Summary format Sorted by: Date Natural [Help](#)

Search results

Subject: Plasma Physics **Search type:** Full text **Search terms:** "ac plasma" AND (liquid OR solvent) AND waste **Date range:** All

Your search has found 4 matching articles. Displaying articles 1 to 4:

As fewer than 25 results were found, the clustering option is not available. [Help](#)

- | | |
|--------------------------|--|
| <input type="checkbox"/> | Multiphase stationary plasma generators working on oxidizing media
<i>Ph G Rutberg, A A Safronov, S D Popov, A V Surov and Gh V Nakonechny</i>
<i>Plasma Phys. Control. Fusion</i> 47 No 10 (October 2005) 1681-1696
Abstract References Full text: Acrobat PDF (1.27 MB) |
| <input type="checkbox"/> | Plasma based waste treatment and energy production
<i>Michael Tendler, Philip Rutberg and Guido van Oost</i>
<i>Plasma Phys. Control. Fusion</i> 47 No 5A (May 2005) A219-A230
Abstract References Citing articles Full text: Acrobat PDF (253 KB) |
| <input type="checkbox"/> | Plasma pyrolysis of toxic waste
<i>Ph G Rutberg</i>
<i>Plasma Phys. Control. Fusion</i> 45 No 6 (June 2003) 957-969
Abstract References Citing articles Full text: Acrobat PDF (602 KB) |
| <input type="checkbox"/> | Some plasma environmental technologies developed in Russia
<i>Ph G Rutberg</i>
<i>Plasma Sources Sci. Technol.</i> 11 No 3A (August 2002) A159-A165
Abstract References Citing articles Full text: Acrobat PDF (270 KB) PostScript (308 KB) |

[Search history](#) | [Modify search](#) | [New search](#) | [Save search](#)

[Help](#)

- 1 This page Which records do you want to export/e-mail? (use the checkboxes next to each record to select them)
- 2 HTML In which file format do you wish the records to be exported/e-mailed?
- 3 Summary (title/author) How much detail for each record do you wish to export/e-mail?